

Abstract**A RADIO TELECOMMUNICATIONS NETWORK, AND A METHOD OF
SELECTING BASE STATION ANTENNAS FOR CONNECTION WITH A
MOBILE USER TERMINAL**

In the method provided, test transmissions between the mobile user terminal and base station antennas are made, and the received test transmissions processed to determine respective signal path quality for each of the base station antennas. Upon
5 the determined signal path quality exceeding a first predetermined threshold, but being less than a second predetermined threshold higher than the first predetermined threshold, the mobile user terminal is connected to the corresponding base station antenna by control channels but not data channels so as to be time synchronised. Upon
the determined signal path quality exceeding the second predetermined threshold, the
10 mobile user terminal is connected to the corresponding base station antenna by both control channels and data channels so as to be call connected.

(Fig.2)